

1818 HOPE'S 1938

· THE · NAME · GUARANTEES ·



· SCREENED · TYPE · 4326 · IN · REDWOOD · SURROUND ·

HOLFORD CASEMENTS

J. T. MANN & CO., INC.

SALES AGENTS

937 GRAVIER ST.

RAYMOND 4409 NEW ORLEANS, LA.



HOPE'S *Holford*

SCREENED OR NON-SCREENED TYPES

 1212	 2214	 3212VC	 4214 VC	 4224	 6214VC	 6224 VC	 6224	 8224VC	 2222
 1312	 2314	 3312VC	 4314VC	 4324	 6314VC	 6324VC	 6324	 8324VC	 2322
 1313	 2316	 3313VC	 4316 VC	 4326	 6316VC	 6326 VC	 6326	 8326 VC	 2323
 1413	 2416	 3413VC	 4416 VC	 4426	 6416VC	 6426 VC	 6426	 8426 VC	 2423
 1414	 2418	 3414VC	 4418 VC	 4428	 6418VC	 6428 VC	 6428	 8428 VC	 2424
 1514	 2518	 3514VC	 4518VC	 4528	 6518VC	 6528 VC	 6528	 8528 VC	 2524
 1614	 2618	 3614VC	 4618 VC	 4628	 6618VC	 6628VC	 6628	 8628 VC	 2624

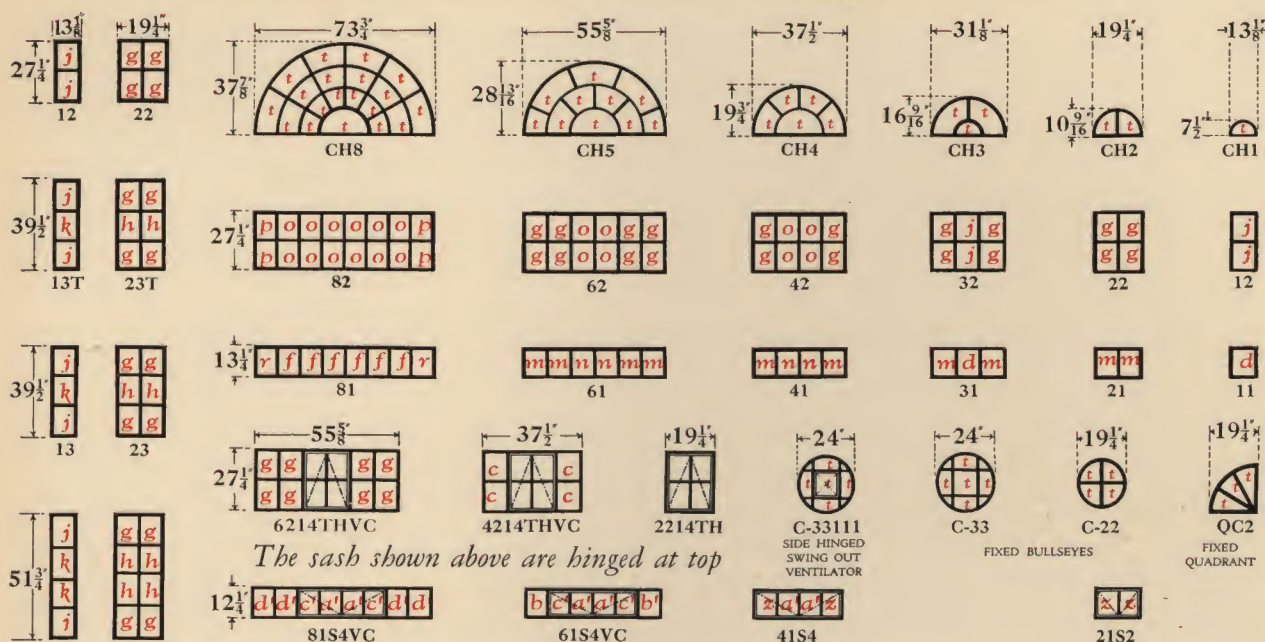
Sizes shown are sash sizes. Refer to page 4 for position of dimensions.

· TYPES · AND · SIZES ·

Casements and Screens



SCREENED OR NON-SCREENED TYPES



The sash shown above are hinged at top

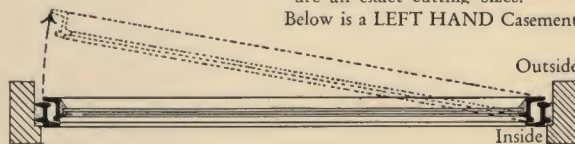
THE four types of TILTIN ventilators shown above are designed for attachment to the sill of any light casement of the same width, screened or non-screened as required. Such windows are shipped as complete units, see example at left; F. S. details page 15. To arrive at overall sash heights, add 12 $\frac{1}{4}$ " to height of unit to which TILTIN vent is to be attached. For example, overall sash height of window at left is 76 $\frac{1}{4}$ ".

GLASS SIZES

Width	Height	Width	Height	Width	Height	Width	Height	Width	Height	Width	Height
a 8" x 12"	g 8 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ "	m 8 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "	s 8 $\frac{1}{2}$ " x 10 $\frac{5}{16}$ "	z 7 $\frac{1}{2}$ " x 10 $\frac{5}{16}$ "	d' 8 $\frac{3}{8}$ " x 11 $\frac{1}{8}$ "						
b 10 $\frac{1}{4}$ " x 12"	h 8 $\frac{1}{2}$ " x 12"	n 8 $\frac{7}{8}$ " x 11 $\frac{1}{2}$ "	u 8 $\frac{7}{8}$ " x 10 $\frac{5}{16}$ "	a' 8 $\frac{1}{8}$ " x 10 $\frac{5}{16}$ "	e' 11 $\frac{3}{8}$ " x 11 $\frac{1}{2}$ "						
c 8" x 12 $\frac{1}{2}$ "	i 8 $\frac{1}{2}$ " x 12"	o 8 $\frac{7}{8}$ " x 12 $\frac{1}{2}$ "	v 8 $\frac{1}{2}$ " x 10 $\frac{1}{2}$ "	b' 8" x 11 $\frac{1}{8}$ "	f' 11 $\frac{3}{8}$ " x 10 $\frac{5}{16}$ "						
d 11 $\frac{1}{4}$ " x 11 $\frac{1}{2}$ "	j 11 $\frac{1}{4}$ " x 12 $\frac{1}{2}$ "	p 8 $\frac{3}{8}$ " x 12 $\frac{1}{2}$ "	w 11 $\frac{1}{4}$ " x 10 $\frac{5}{16}$ "	c' 8 $\frac{1}{2}$ " x 10 $\frac{5}{16}$ "	g' 9 $\frac{1}{8}$ " x 12"						
e 8 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "	k 11 $\frac{1}{4}$ " x 12"	q 8 $\frac{3}{8}$ " x 12"	x 11 $\frac{1}{4}$ " x 10 $\frac{3}{4}$ "								
f 8 $\frac{7}{8}$ " x 11 $\frac{1}{2}$ "	l 11 $\frac{1}{4}$ " x 12"	r 8 $\frac{3}{8}$ " x 11 $\frac{1}{2}$ "	y 8 $\frac{3}{8}$ " x 10 $\frac{5}{16}$ "								

Panels not marked on diagram are all size "a" (8" wide x 12" high). They are all exact cutting sizes.

Below is a LEFT HAND Casement



HANDS OF CASEMENTS. Where single casements occur in Holfords, hands should always be given. The hand is determined by the position of the hinges viewed from outside.

In a right hand casement the hinges are at right; in a left hand, at left. (See cut.)

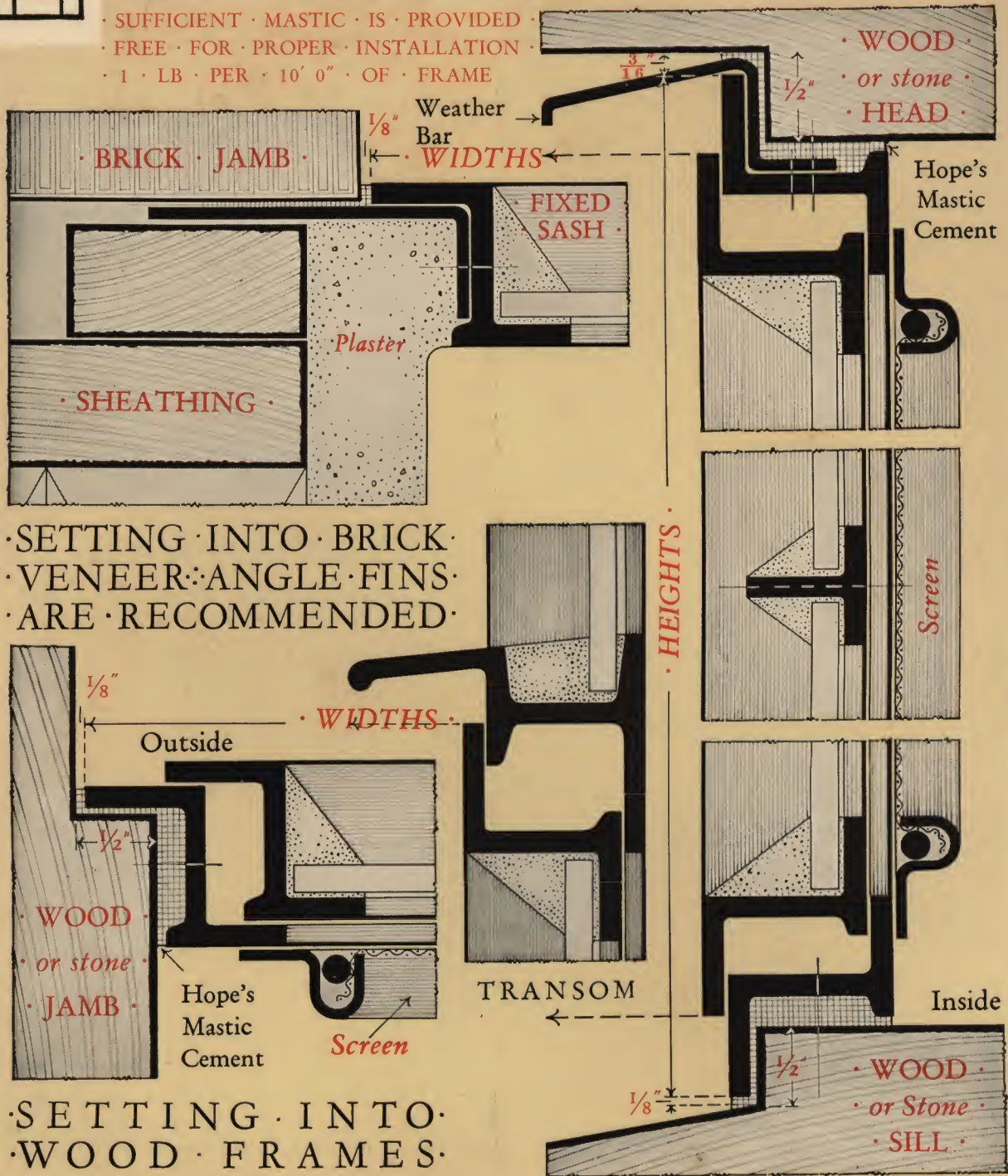
HORIZONTAL MUNTIN TYPES. We can supply all types of Holford casements without vertical muntins when so required. When ordering, use standard type symbols, but add the letters V.M.O., meaning vertical muntins omitted. For example, 4428 V.M.O., 6426VC V.M.O.

GLASS SIZES :: HANDS



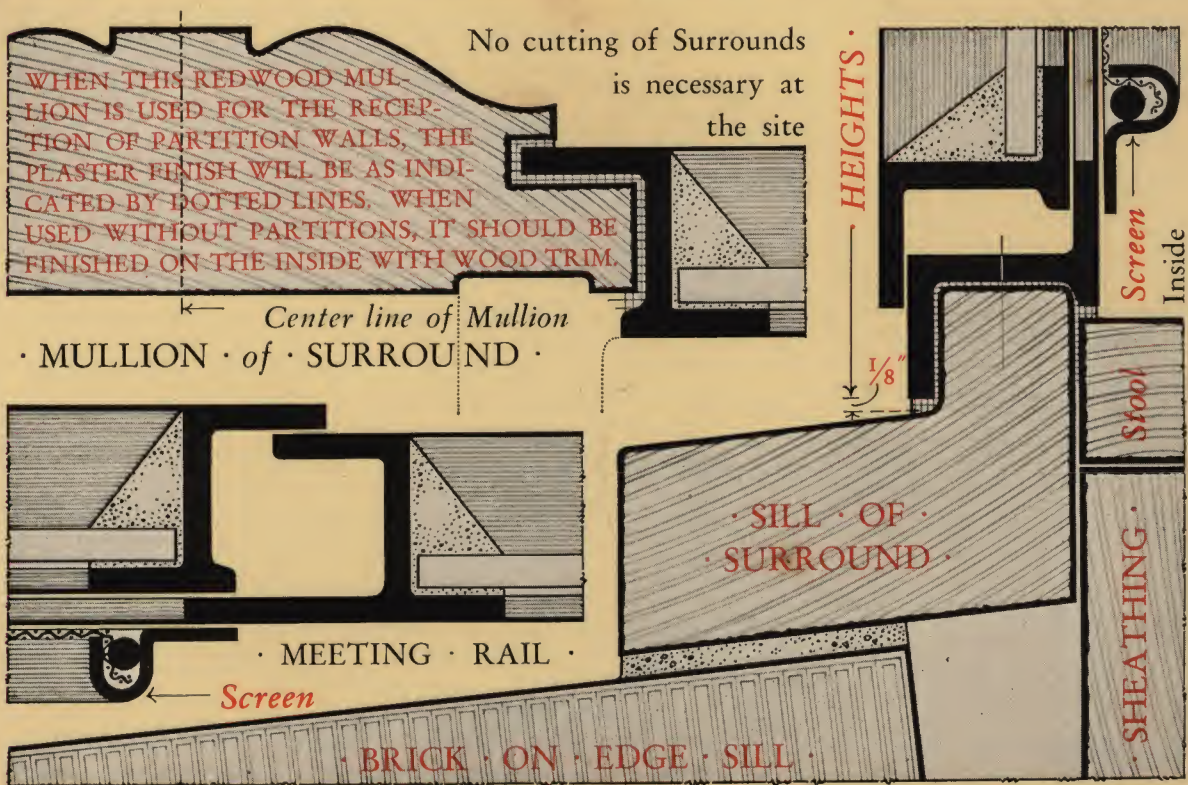
HOPE'S *Holford*

· SUFFICIENT · MASTIC · IS · PROVIDED ·
· FREE · FOR · PROPER · INSTALLATION ·
· 1 · LB · PER · 10' 0" · OF · FRAME



· FULL · SIZE · DETAILS ·

Redwood Surrounds

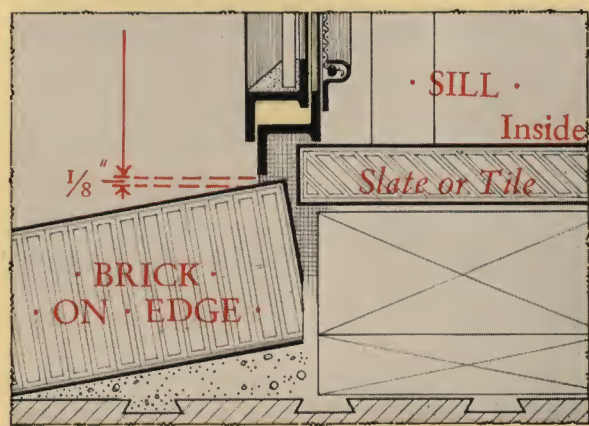
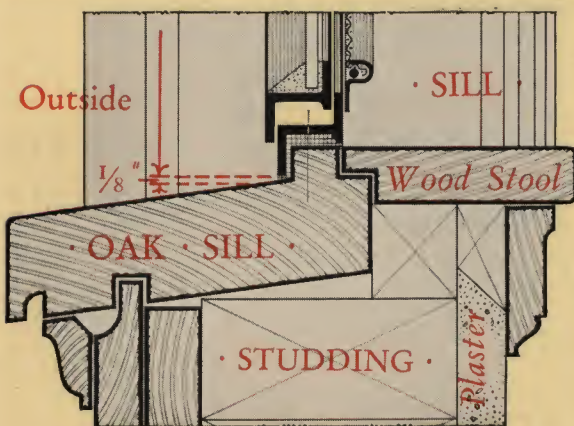
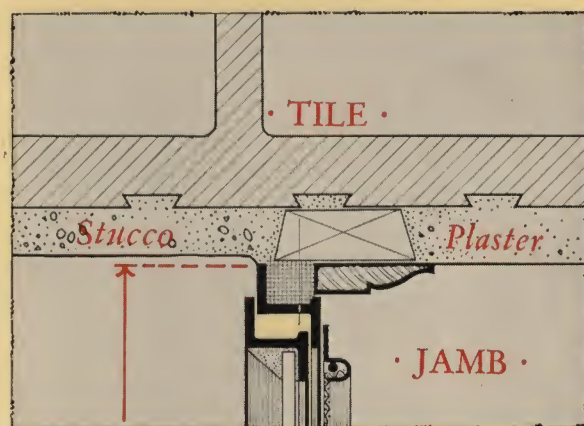
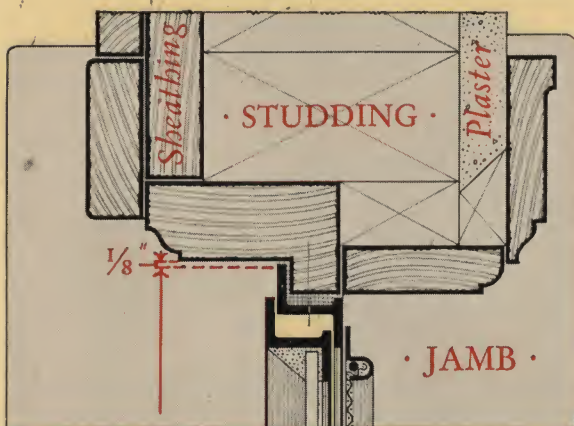
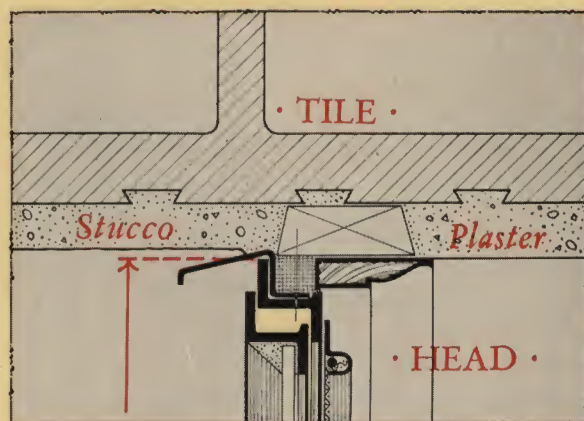
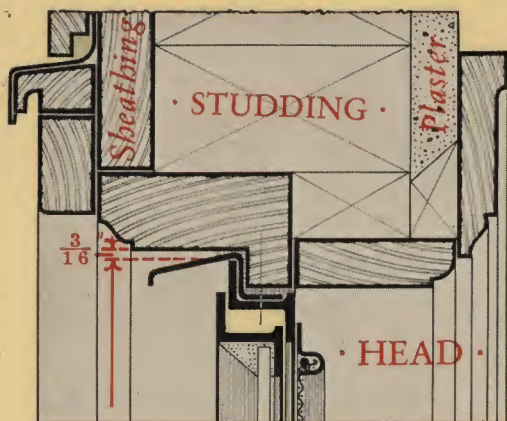


· FULL · SIZE · DETAILS ·



HOPE'S *Holford*

· INSTALLATION · DETAILS ·



· WOOD · FRAME ·

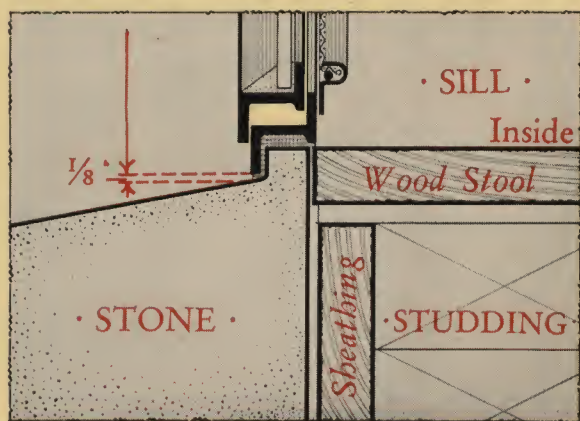
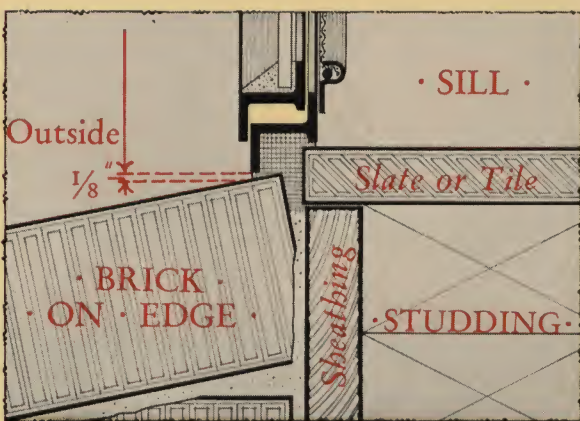
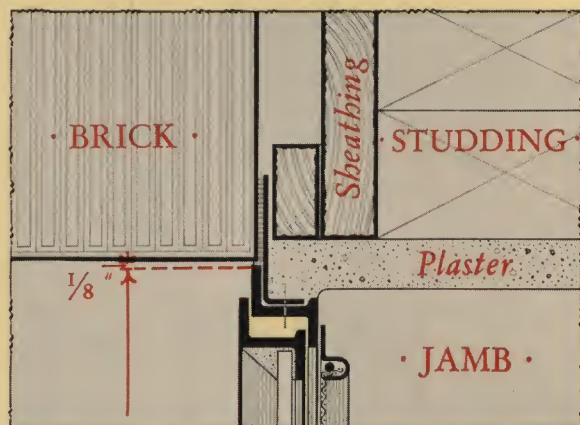
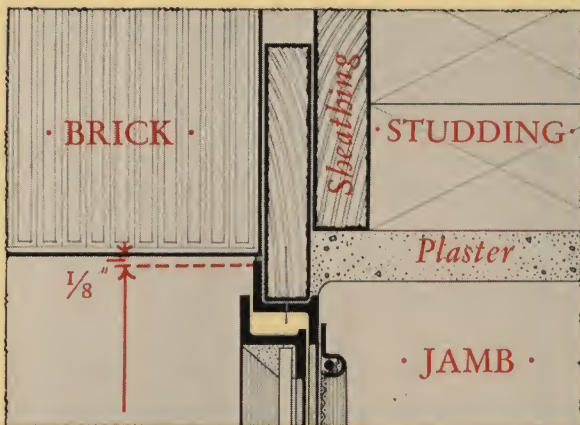
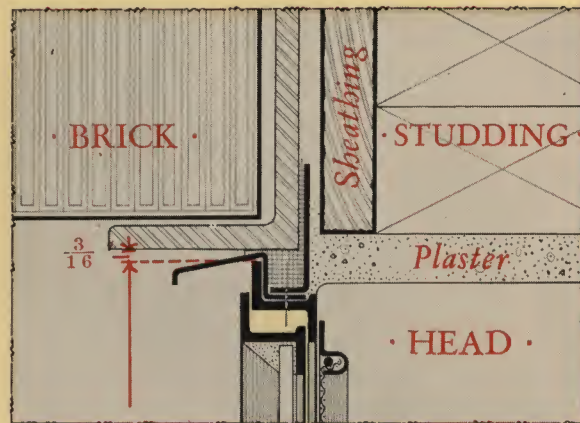
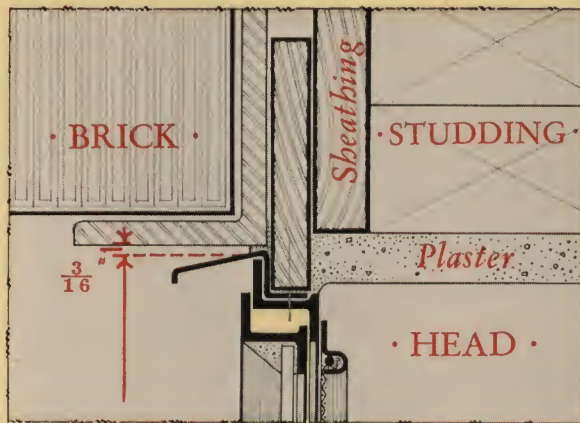
· TILE · & · STUCCO ·

· DETAILS · 1/3 · FULL · SIZE ·

Standard Windows



· INSTALLATION · DETAILS ·



· BRICK · VENEER · · ANGLE · FIN ·

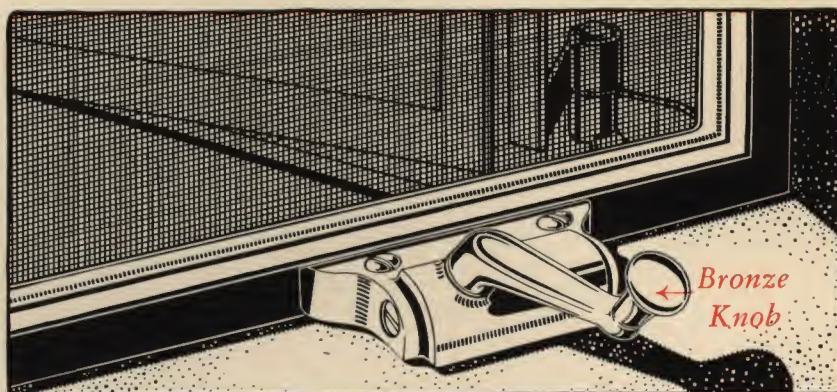
· DETAILS · 1/3 · FULL · SIZE ·



HOPE'S *Hardware*



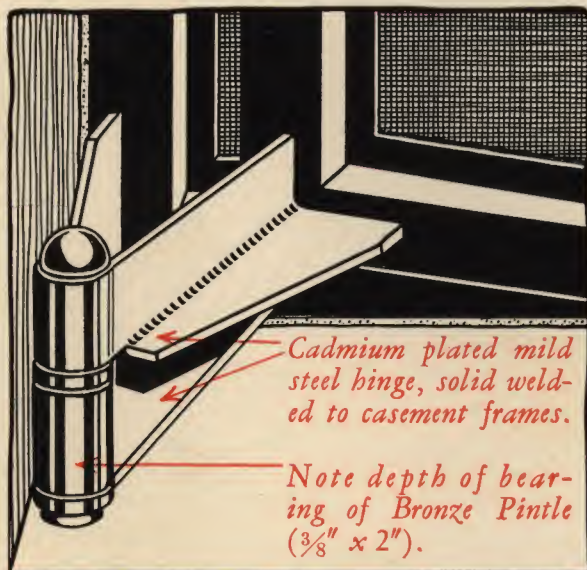
FASTENER No. 38-5
Patent No. Re. 20,249
Left Hand



ROTARY OPERATOR No. 20-70 (Left Hand)

WHEN Hope's Holford Casements are to be fitted with flat type screens (we call these our *screened types*) the hardware illustrated on this page is used.

STANDARD equipment includes solid bronze Fastener No. 38-5 with "tumbled" finish, but polished bronze finish can be supplied at slight extra cost. Standard equipment also includes Rotary Operator No. 20-70. The case and crank handle of this operator are die cast from a special non-corrosive alloy and are painted to match the casements. Polished solid bronze case and crank handle can be supplied at slight extra cost. The crank handle knob is always polished bronze. Worm and gears are machine cut from cold rolled steel, case-hardened and guaranteed. Operator arms are steel stampings, for strength, and are cadmium plated. Channel guides and shoes are bronze. Attachment of this operator is by screws to steel plate, securely fastened to sill of outside frame.

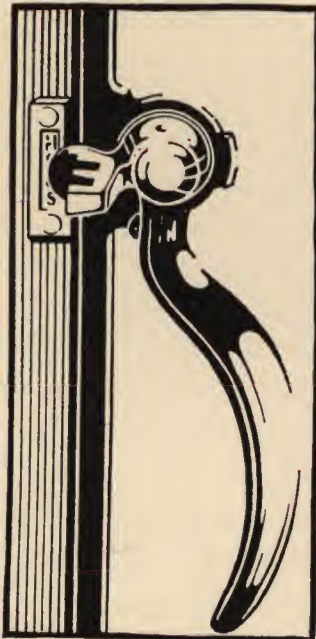


CLEANING HINGE (Pintle Type) No. 225

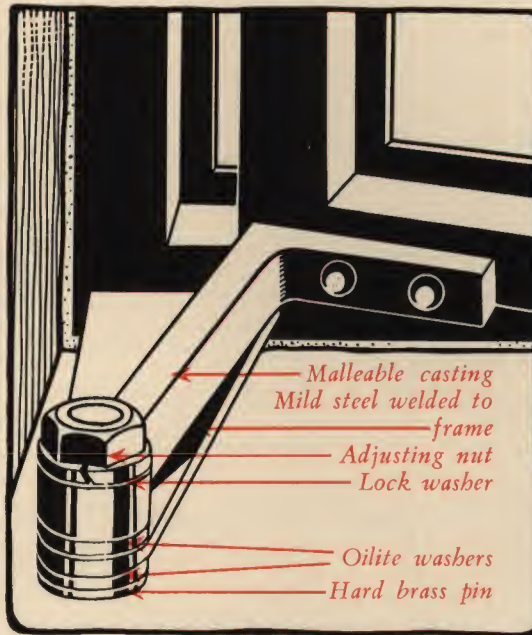
WHEN screens are not required, solid bronze Fastener No. 963 with "tumbled" finish and Friction Cleaning Hinge No. 218 are standard equipment. When wicket screens

· ENGINEERING · QUALITY · HARDWARE ·

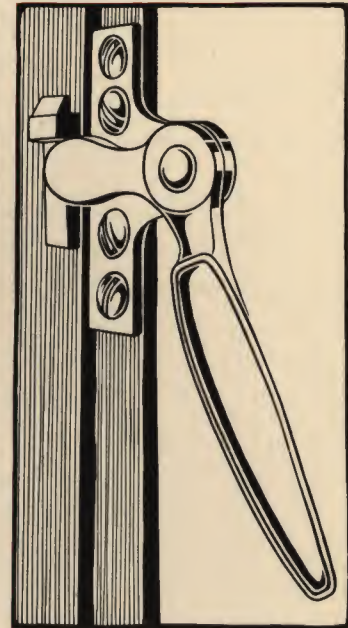
and Hinges



FASTENER No. 963
Left hand



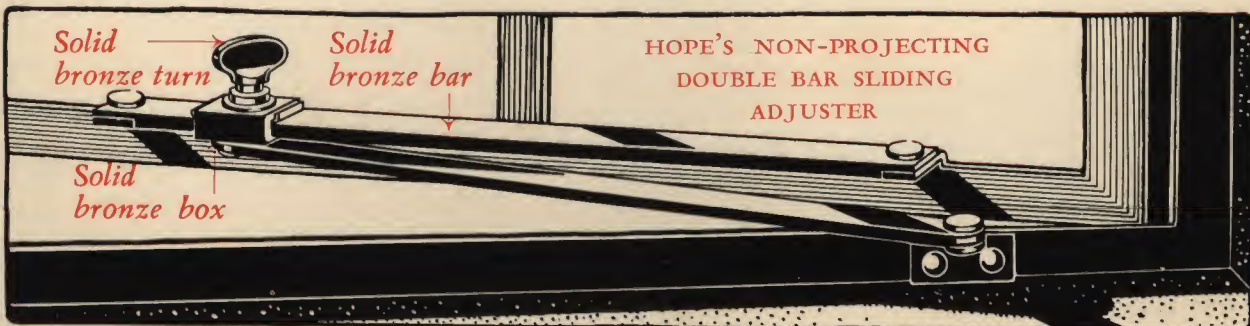
FRICTION CLEANING HINGE
No. 218



FASTENER No. 68
Left hand

are required, as described on page 13, solid bronze Fastener No. 68 must be used. Note that Fasteners Nos. 963 and 68 are interchangeable. These fittings are illustrated on this page.

**SPECIFY FASTENER
No. 68 WHEN WICKET
SCREENS ARE CON-
TEMPLATED.**



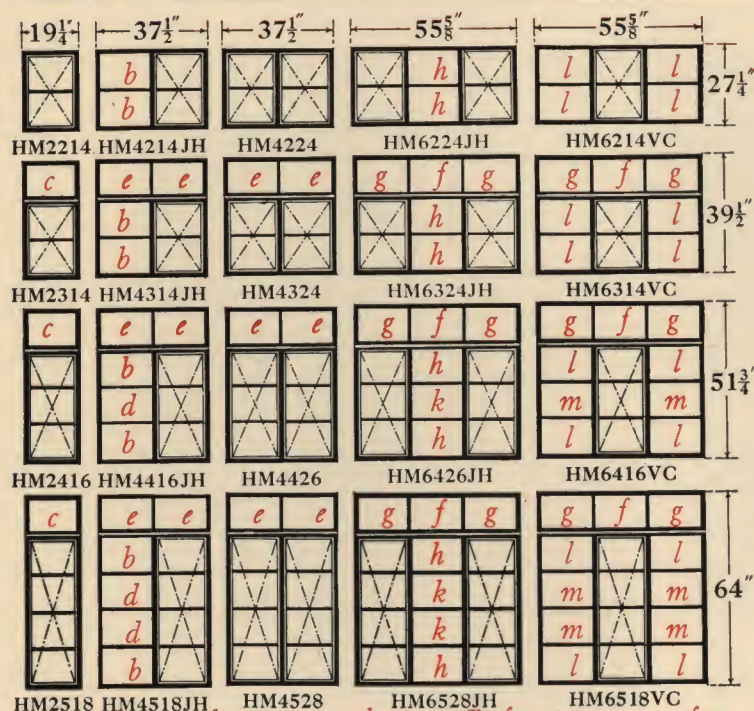
ADJUSTER NO. 223C Supplied as an extra if desired

· MADE · WITH · PRECISION · TOOLS ·



H O P E ' S

Econwin



Sizes shown above are sash sizes. Refer to page 4 for position of dimensions.

GLASS · SIZES ·

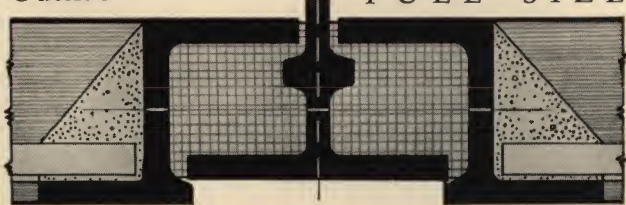
WIDE	HIGH	WIDE	HIGH	WIDE	HIGH
a. 16 1/4" x 12"		c. 17 5/8" x 11 1/2"		k. 17" x 12"	
b. 17 3/8" x 12 1/2"		f. 18" x 11 1/2"		l. 17 3/8" x 12 1/2"	
c. 17 3/8" x 11 1/2"		g. 17 1/2" x 11 1/2"		m. 17 3/8" x 12"	
d. 17 3/8" x 12"		h. 17" x 12 1/2"			

Panes not marked on diagram are all size "a" (16 1/4" x 12").

SECTION of MULLION ·

Outside

FULL · SIZE



WHERE two or three units are joined together with this mullion, add 1/4" to the overall of each unit for each mullion used. When three or more mullions are used, add 3/8" per mullion. For example, the overall sash width of two 4428's is 75 1/4" but for four 4428's it is 150 1/8".

THE twenty (20) Econwin types shown on this page are specially priced at approximately 7% less than the corresponding types which have vertical muntins included and which are illustrated on page 2. They are constructed of the same sections and to the same high standard of workmanship and were primarily designed for homes where first cost is of paramount importance. Additionally, their nominal glass size of 16" x 12", as compared with the 8" x 12" glass size, results in a considerable saving in glazing costs. Apart from these savings, the layout of the panes has been very popular for buildings of modern design where there is a tendency to emphasize the horizontal proportions—see pages 21, 22 and 23.

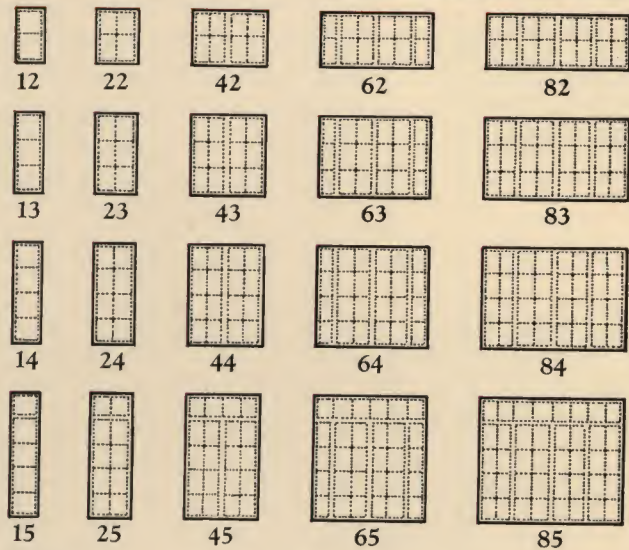
ECONWIN types are drilled to receive curtain brackets and are prepared for Wicket screens. We stock these screens. They are fly-tight, simple to attach and remove or to open for cleaning the glass. Details of these screens will be found on pages 12 and 13. Illustrations of hardware for Econwin types will be found on page 9.

· FOR · LOW · COST · HOUSING · PROJECTS ·

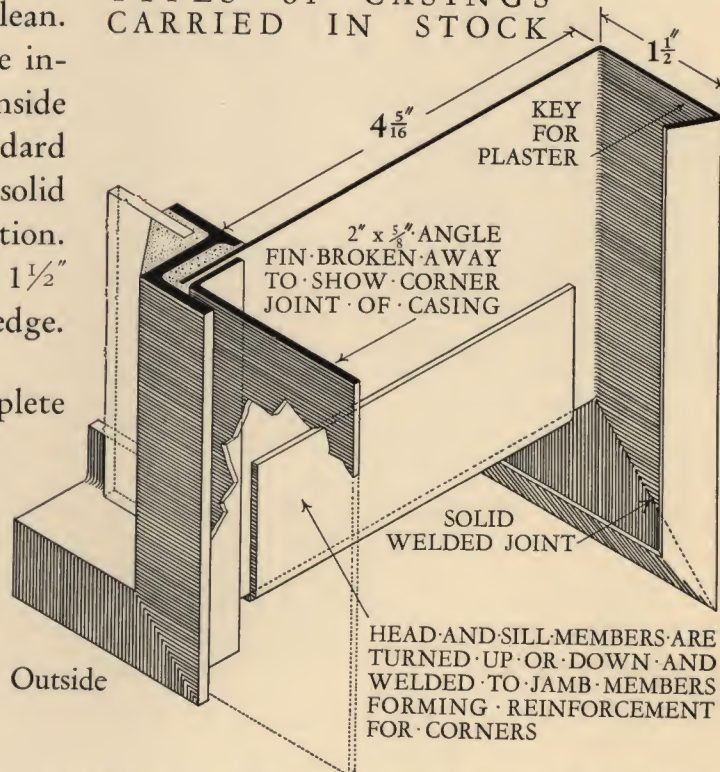
Pressed Steel Casings



CASINGS in standard sizes are carried in stock as shown at right. They consist of 18 gauge steel head and jambs and 16 gauge steel stool, pressed to the shapes shown on this page and on page 12, and are strongly welded and reinforced at the corners. They take the place of interior wood trim or plaster reveals, stools and aprons, and they do not shrink, swell, warp or discolor. They are fire resisting, vermin proof, neat in appearance and their hard smooth surface is easy to keep clean. Standard casings are $4\frac{5}{16}$ " from the inside face of the window to the inside face of the casing, to suit standard wood-frame and brick veneer or solid brick-and-tile 9" wall construction. The inside face of the casing is $1\frac{1}{2}$ " and a plaster key is formed at its edge.



TYPES of CASINGS
CARRIED IN STOCK



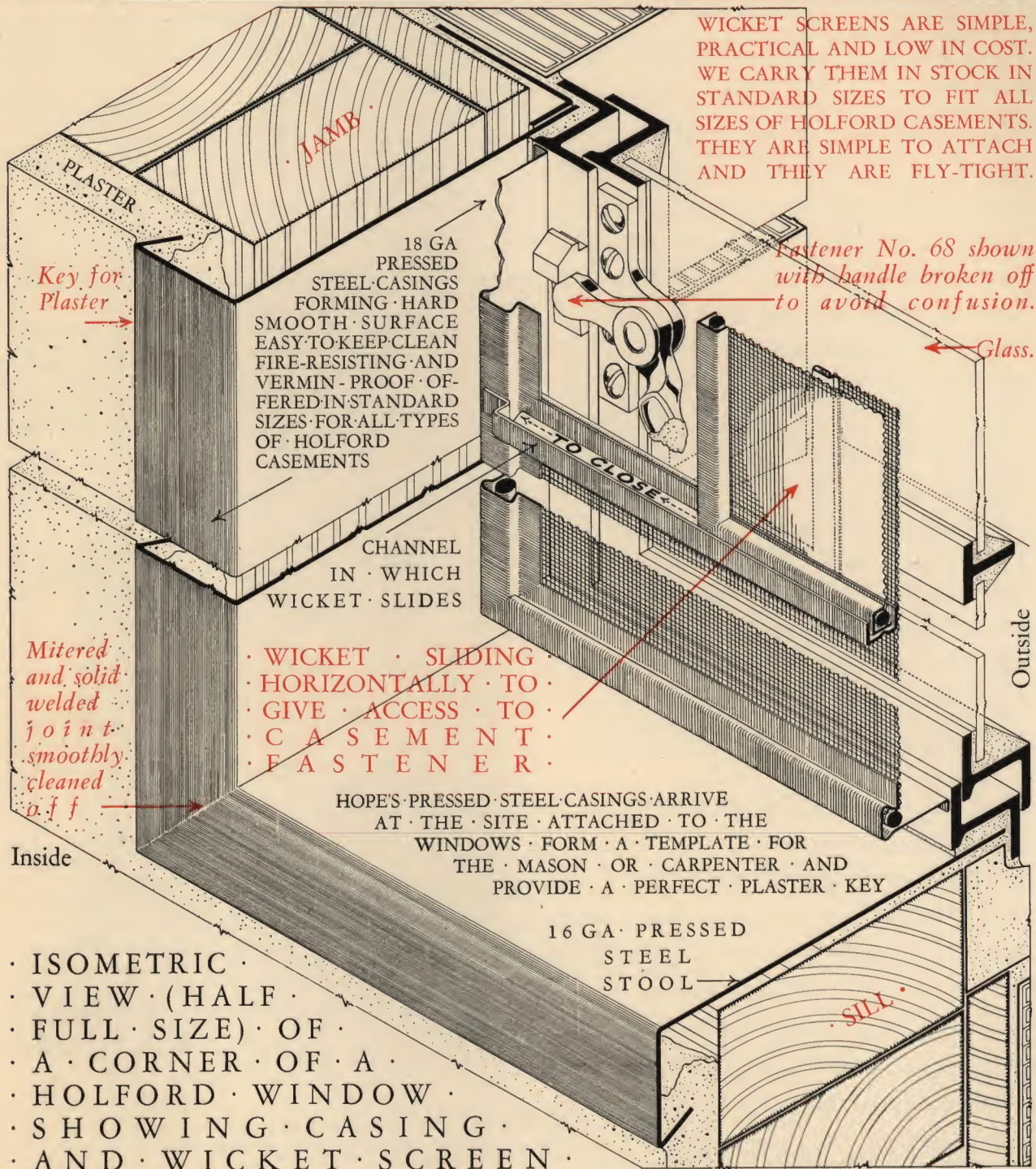
ISOMETRIC VIEW OF CASING
SHOWING CORNER JOINT

ALL casings are shipped as complete units strongly attached to the casements. They provide a template for the mason or carpenter, simplify the work and minimize costs. More than twenty thousand have been successfully used in the past two years in federal housing schemes, as well as in apartments and single dwellings.

CLEAN · MODERN · FIREPROOF ·



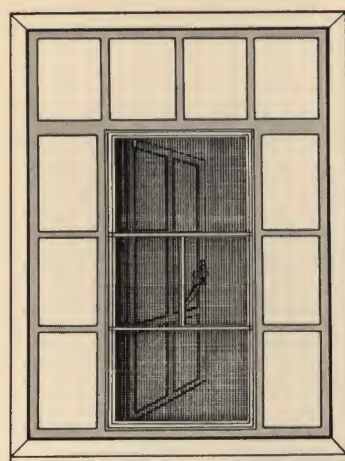
HOPE'S *Steel Casings*



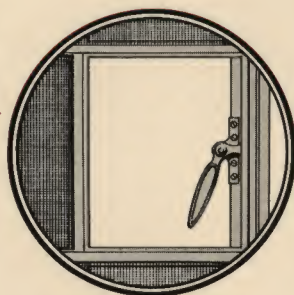
· ISOMETRIC ·
· VIEW · (HALF ·
· FULL · SIZE) · OF ·
· A · CORNER · OF · A ·
· HOLFORD · WINDOW ·
· SHOWING · CASING ·
· AND · WICKET · SCREEN ·

· BEST · FOR · LOW · COST · HOUSES ·

Wicket Screens



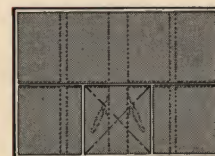
Wicket
Screen
applied
to single-
vented
window
(Shown
with
wicket
closed)



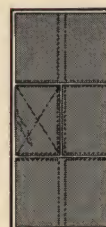
Enlarged view show-
ing wicket open.



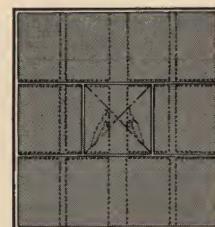
22



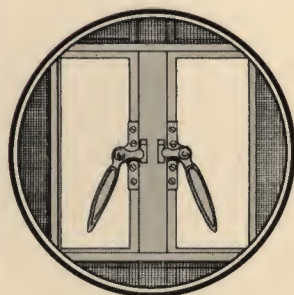
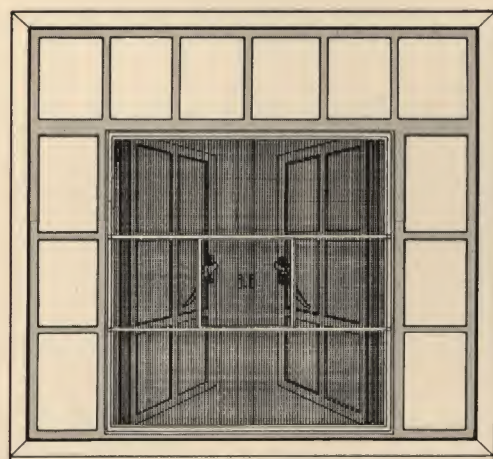
42



23



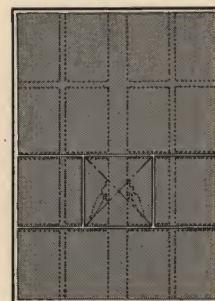
43



Enlarged view show-
ing wicket open.



24



44

Wicket Screen applied to double
vented window (Shown with wicket closed.)

ELEVATIONS OF TYPES

HOPE'S wicket screens are manufactured of 16 mesh Anaconda bronze wire cloth, held in place by $\frac{3}{16}$ " round solid steel splines, galvanized and easily rewirable. If desired, 18 mesh can be supplied at slight increase in cost. Wickets are placed in the positions shown on the elevations and slide horizontally to give easy access to the casement fastener. Through the aperture in the screen, formed when the wicket is opened, the casement, which is hung on extended friction hinges, can be opened to any desired angle up to 90°. The wicket is then closed forming an insect proof installation.

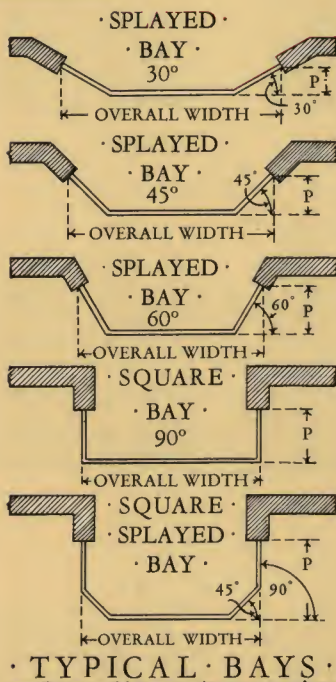
SCREEN frames are strongly welded and reinforced at each corner, galvanized after fabrication and prime painted to match the casements.

· SIMPLE · PRACTICAL · LOW · IN · COST ·



HOPE'S

Holfords

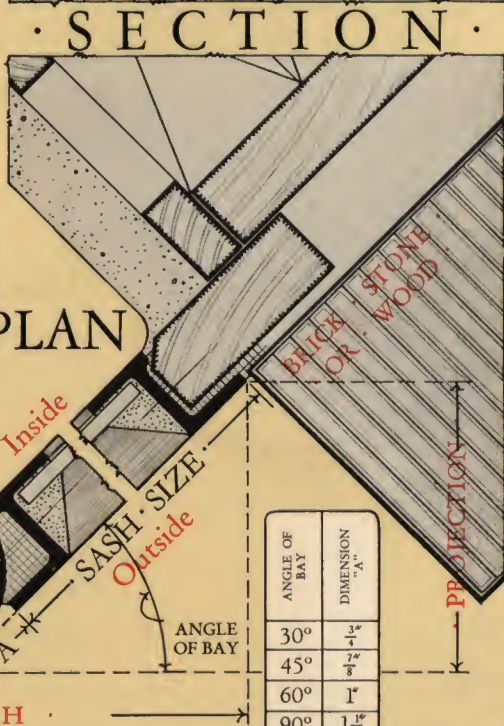
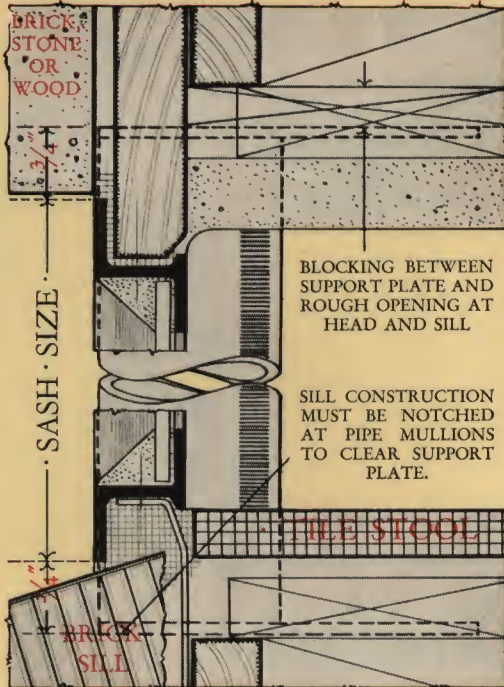
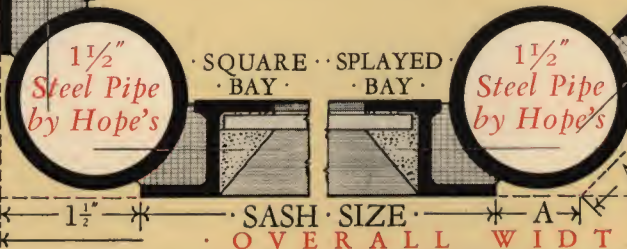
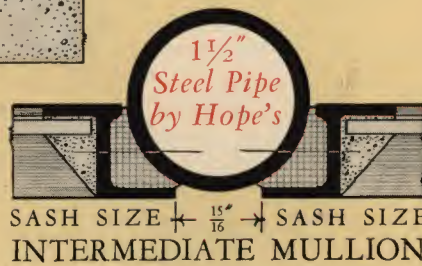
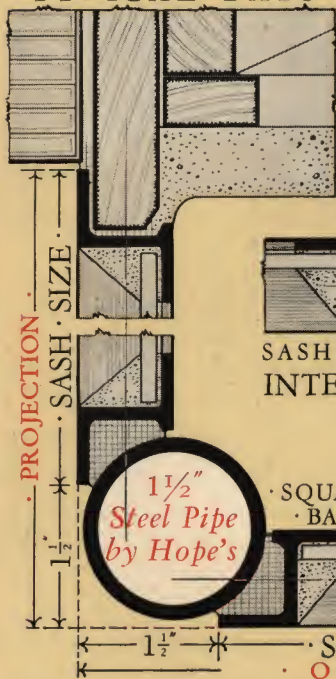


ANGLE OF BAY	LIGHTS IN RETURN	OVERALL WIDTH			PROJECTION
		LIGHTS IN FRONT SECT.			
		4	6	8	
30°	1	63 $\frac{1}{16}$	81 $\frac{3}{16}$	99 $\frac{5}{16}$	6 $\frac{15}{16}$
	2	73 $\frac{5}{8}$	91 $\frac{3}{4}$	109 $\frac{7}{8}$	10 $\frac{1}{4}$
45°	1	59 $\frac{1}{2}$	77 $\frac{1}{8}$	95 $\frac{1}{4}$	9 $\frac{7}{8}$
	2	67 $\frac{3}{4}$	85 $\frac{7}{8}$	104 $\frac{1}{4}$	14 $\frac{1}{4}$
60°	1	53 $\frac{5}{8}$	71 $\frac{3}{4}$	89 $\frac{7}{8}$	12 $\frac{1}{4}$
	2	59 $\frac{3}{4}$	77 $\frac{7}{8}$	96 $\frac{1}{2}$	17 $\frac{9}{16}$
90°	1	40 $\frac{1}{2}$	58 $\frac{5}{8}$	76 $\frac{3}{4}$	14 $\frac{5}{8}$
	2	40 $\frac{1}{2}$	58 $\frac{5}{8}$	76 $\frac{3}{4}$	20 $\frac{3}{4}$
SQUARE SPLAYED	1	60 $\frac{1}{4}$	78 $\frac{3}{4}$	96 $\frac{1}{2}$	24 $\frac{1}{2}$
	2	69 $\frac{1}{2}$	87 $\frac{1}{2}$	105 $\frac{1}{2}$	35 $\frac{1}{2}$

Above table is based on one single unit in front and one in each return. Multiple units using intermediate mullions (shown below) may be used when desired, in which case table will not apply.

As shown on details, outer construction may be face brick, stone or wood. When face brick or stone occurs at head of windows, provision must be made to support the lintels at corner mullions.

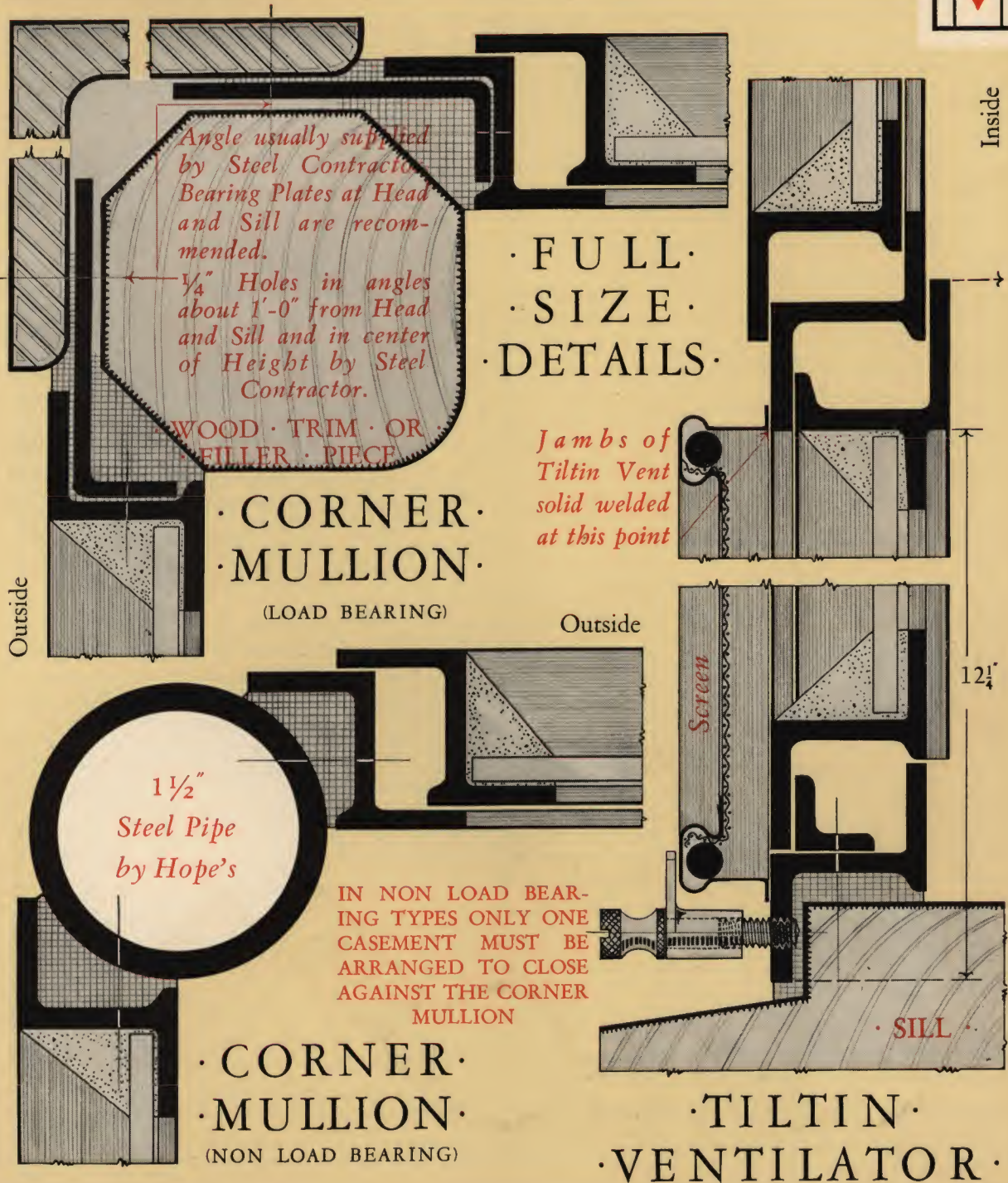
WHEN PIPE MULLIONS ARE SPECIFIED, ONLY THOSE DETAILED ON THIS SHEET WILL BE FURNISHED.



ANGLE OF BAY	DIMENSION "A"
30°	$\frac{3}{4}$ "
45°	$\frac{7}{8}$ "
60°	1"
90°	1 $\frac{1}{2}$ "

· BAY · WINDOWS · 1/2 · FULL · SIZE ·

Corner Mullions

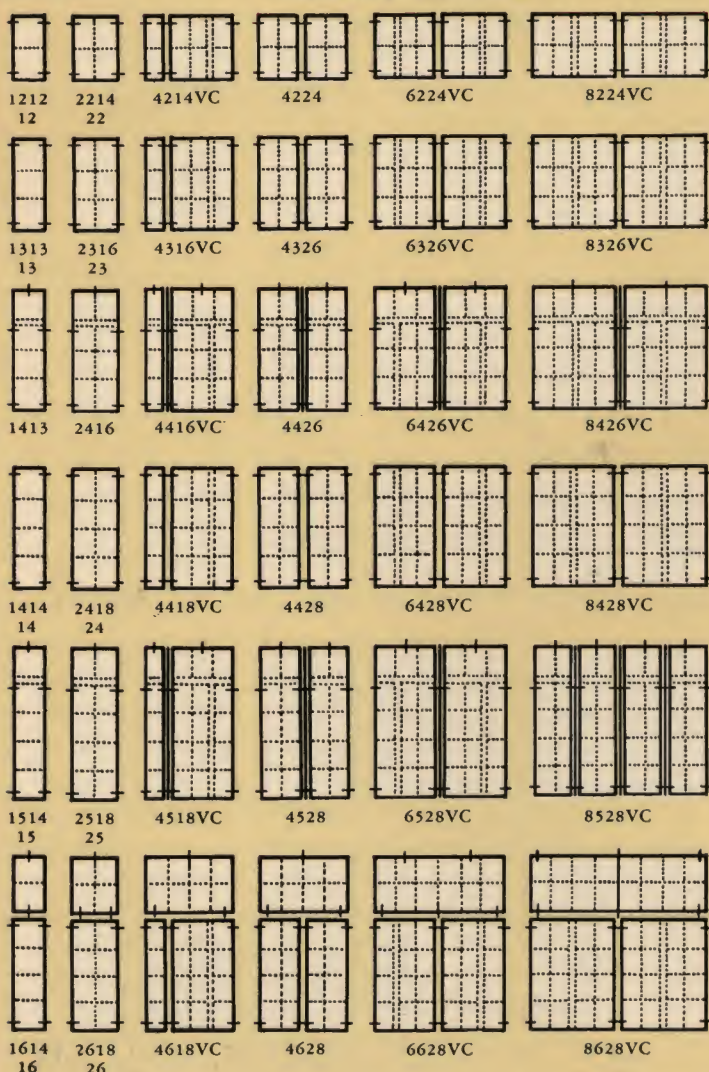


· TILTIN · VENTILATORS ·



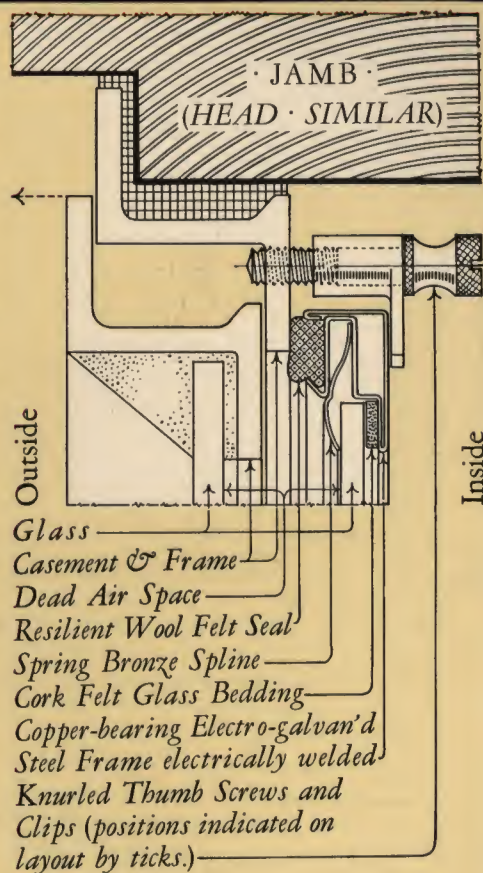
HOPE'S *Winter Windows*

Positions of Thumb Screws and Clips are indicated by ticks.



HOPE'S Winter Windows (interchangeable with screens) can be supplied from stock for every type of Holford window. Each unit of winter window is of reasonable size—see diagrams above—and each can be conveniently installed or removed by one person. For further information, see back cover.

Storm doors with interchangeable Screen Panels are available in conjunction with Standard and Custom built doors.



·FULL·SIZE·SECTION·

VENTILATORS built into the Winter Windows can be supplied at slight extra cost, when desired. They are of the Tiltin type, located at the sill, and the opening is restricted by limit arms to about 3". Although ventilation is not essential to air conditioning schemes, these ventilators are frequently used for slight ventilation in bedrooms and other special locations.



Winter Window with Ventilator

· T Y P E S · a n d · D E T A I L S ·

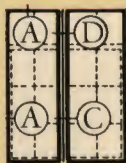
for Air Conditioning, etc.



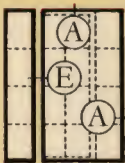
K E Y E L E V A T I O N S



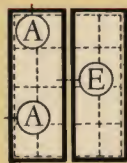
4416VC
4518VC



4426 4528
6426VC 6528VC
8426VC 8528VC



4214VC
4316VC
4418VC



4224 6224VC 8224VC
4326 6326VC 8326VC
4428 6428VC 8428VC

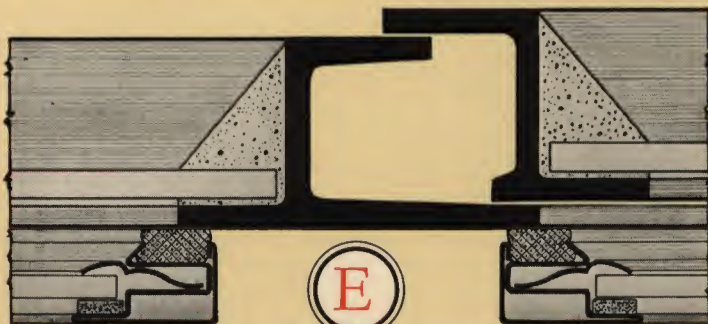
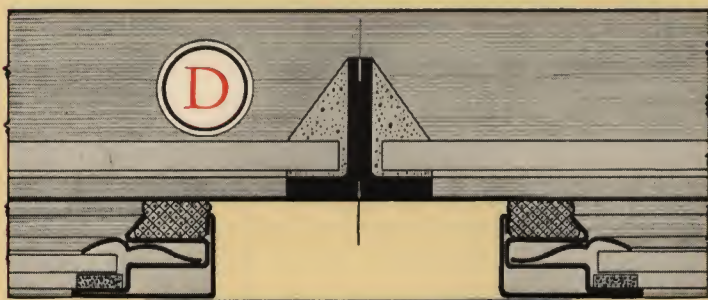


4618VC

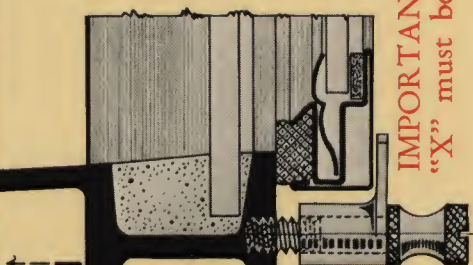
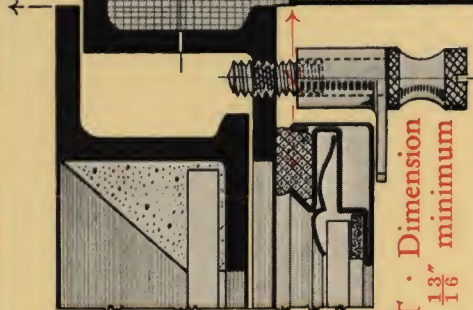
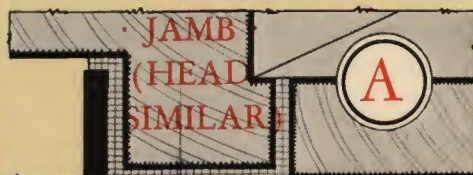


4628
6628VC
8628VC

Outside



Inside



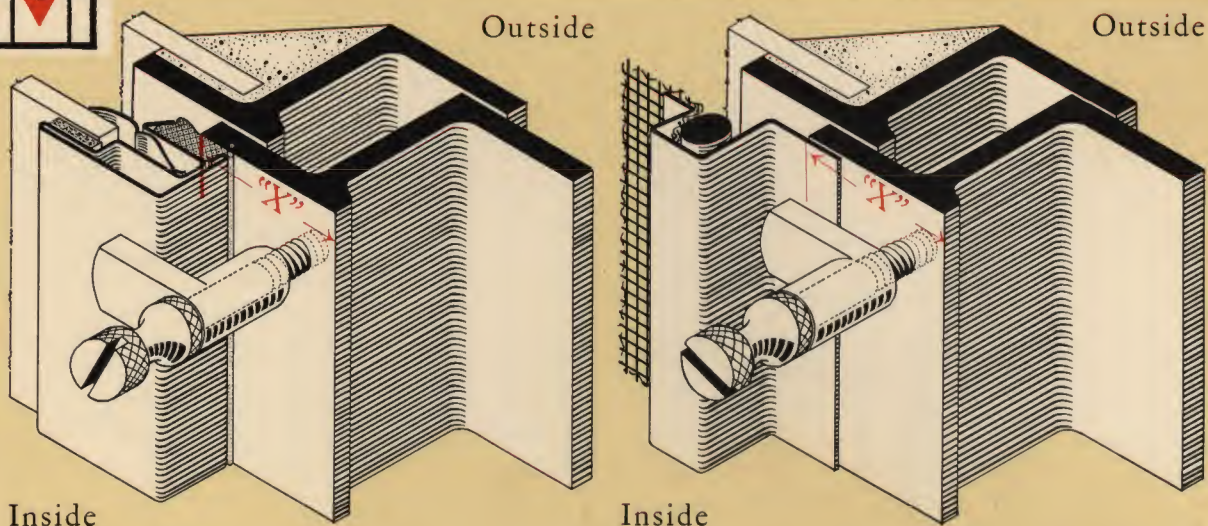
Inside

IMPORTANT · Dimension
"X" must be $\frac{13}{16}$ " minimum

· F U L L · S I Z E · D E T A I L S ·



HOPE'S *Winter Windows*



· SKETCH · SHOWING · CLIP · IN ·
· POSITION · FOR · WINTER · WINDOW ·

· SKETCH · SHOWING · CLIP · IN · REVERSE ·
· POSITION · FOR · FLY · SCREEN ·

IMPORTANT A MINIMUM SPACE OF $\frac{13}{16}$ " MUST BE KEPT CLEAR ON THE INNER FACE AT "X" THROUGHOUT THE PERIMETER OF THE SASH. TRIM, SHADE BRACKETS OR OTHER IMPEDIMENTS MUST NOT ENCROACH UPON IT. SEE ALSO DETAIL ON PAGE 17.

HOPE'S Winter Windows are made of copper bearing electro-galvanized steel frames with corners mitred, heavily reinforced, electrically welded and ground smooth. They are shipped glazed complete. Glass is Libbey Owens D.S.A. quality bedded on cork felt and held in place by phosphor spring bronze splines easily removable for glass replacement. The insulating seal is completed by means of a resilient wool felt contact between the winter window and the casement frame, insuring insulation against heat and cold transmission. Hope's Winter Windows are finished in one coat of gray rust-resisting paint before assembly.

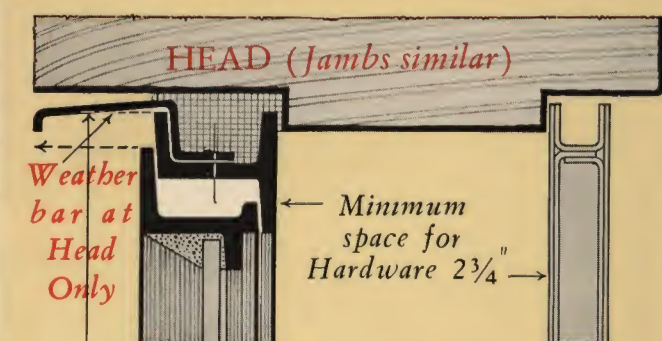
HOPE'S Winter Windows are for use only with screened type casements, that is to say, with casements fitted with No. 38-5 fastener and No. 20-70 rotary operator as illustrated on page 8.

HOPE'S Winter Windows are an excellent investment; they save fuel by reducing by one-half the heat losses through single windows, thereby liquidating their original cost in a comparatively short space of time. They are of especial advantage in air conditioned homes.

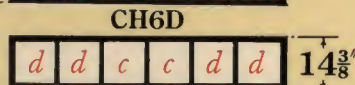
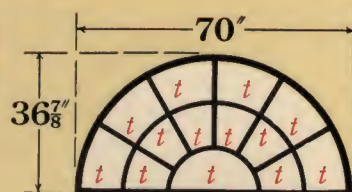
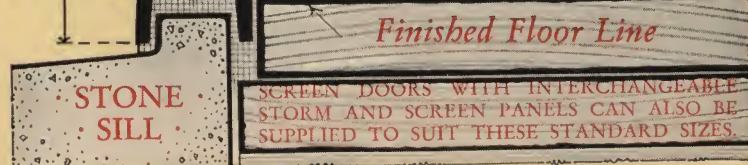
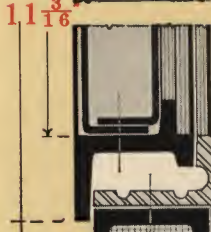
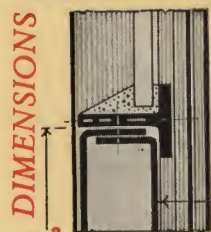
IF HOPE'S Winter Windows are ordered at the same time as the casement windows, the latter will be drilled and tapped complete, free of charge, in the factory to receive the winter windows. When winter windows are ordered as an afterthought however, certain holes must be drilled and tapped in the field at the customer's expense.

· FOR · AIR · CONDITIONING · ETC ·

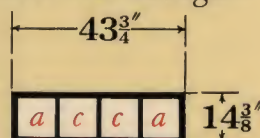
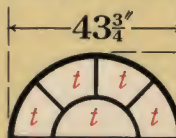
Windows and Doors



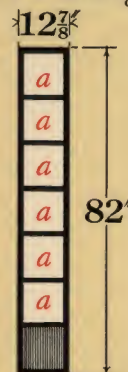
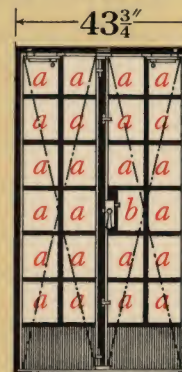
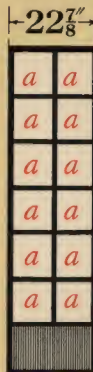
MEETING RAIL



TRANSOMS For doors with sidelights



TRANSOMS For doors without sidelights



27D

17D

TYPE "M" DOORS AND SIDELIGHTS

THESE doors can be opened from both sides and locked from inside. Cylinder locks can be supplied at small extra. Type "L" is the corresponding leaded glass type. Both types open outwards only. When sidelights are coupled to doors with Tee mullions, the overall widths are: 70" for 17D sidelights and 90" for 27D sidelights.

Sill section of all transoms shown on this page is our Section "X" as illustrated on page 19 of our Cotswold Catalog No. 49. When these transoms are coupled to doors, the overall heights are: 96 5/8" for 41D or 61D, 106" for CH4D, and 119 1/8" for CH6D.

DOORS AND SIDELIGHTS

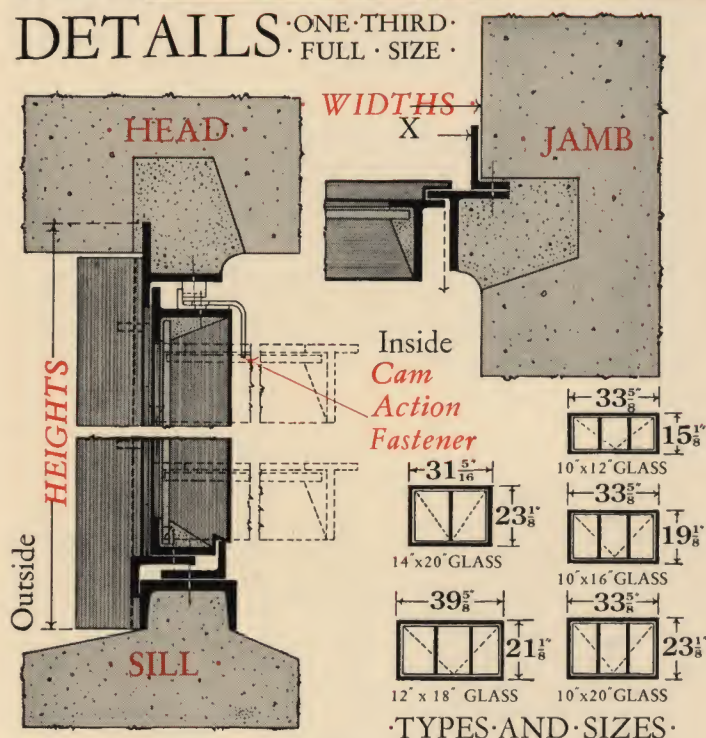
FOR MORE COMPLETE DETAILS OF STANDARD DOORS REFER TO PAGES 24-26 HOPE'S CATALOGUE NO. 56.

Page nineteen



HOPE'S *Basement Windows*

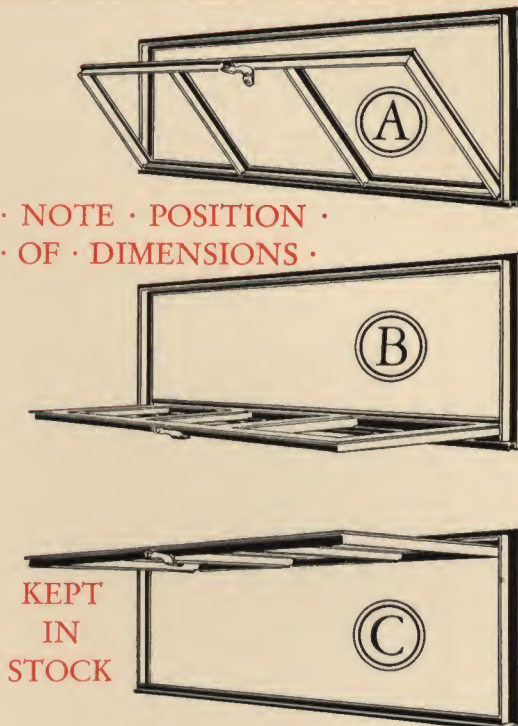
DETAILS · ONE · THIRD · FULL · SIZE ·



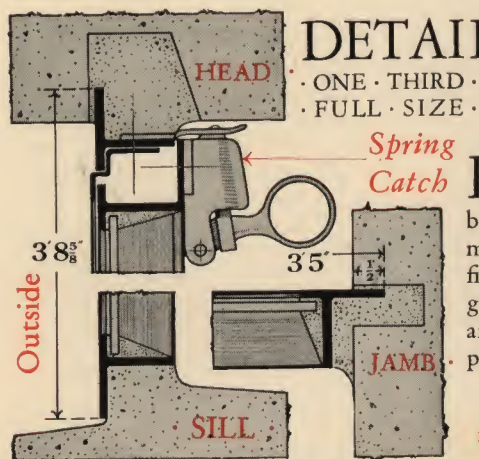
· TYPES · AND · SIZES ·

HOPE'S Basement Windows can be opened to any one of three positions shown. (A) At an angle of 45° which permits of slight ventilation. (B) At an angle of 90° which gives 100% ventilation and permits of cleaning the outside glass from inside. (C) At an angle of 90° (at the top of the window) the ventilator can be slid up into this position in the channels at the jambs. The window opening is then free to be used for unloading fuel into the basement, etc.

· NOTE · POSITION ·
· OF · DIMENSIONS ·



NO chains or side arms are needed for any of these positions. Ventilators are locked in the closed position by a formed steel cam fastener. Ventilators can be removed entirely from frame with the greatest of ease. Angle marked "X" is used by mason as a guide in laying up masonry. It also forms an attachment for the screens.

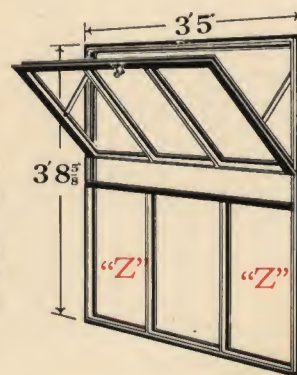


DETAILS · UTILITY · WINDOWS ·

· ONE · THIRD · FULL · SIZE ·

HOPE'S Utility Windows are for use in Garages, Stores, Shops and Farm buildings. They are very suitable for basements where the lower portion which is a fixed light, may be in the areaway below grade. The ventilator is projected in at top and fitted with spring catch. They are supplied only in the one size shown.

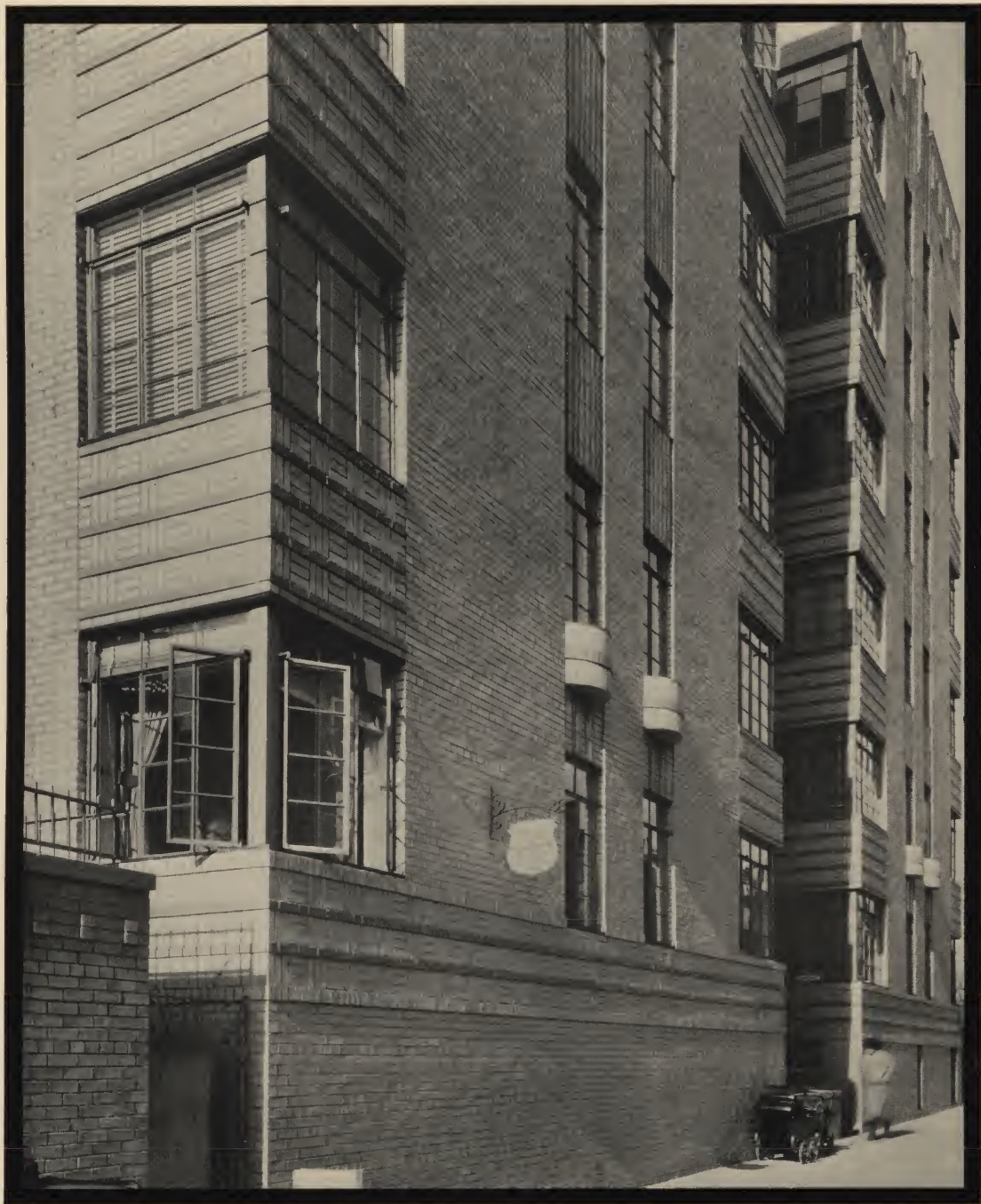
GLASS SIZES:—12" x 20", except those marked "Z" which are 13" x 20".



UTILITY · WINDOW
with ventilator open

· HOPE'S · UTILITY · WINDOWS ·

· HOPE'S · HOLFORD · CASEMENTS ·



APARTMENT HOUSE.

NEW YORK CITY, N. Y.

HOPE'S "ECONWIN" CASEMENTS



HOPE'S H. M. WINDOWS IN MODERN CONCRETE MASONRY WALLS.
MODEL HOUSE AT YONKERS, NEW YORK. ERIK KAEYER, ARCH'T.



DENTAL OFFICE,
MELROSE, MASS.

ROYAL BARRY WILLS, ARCH'T.
HUGH STUBBINS, ASSOCIATE ARCH'T.

· HOPE'S · HOLFORD · CASEMENTS ·



RESIDENCE at DES MOINES, IOWA. WETHERELL & HARRISON, Archts.

Note the picture windows consisting of a large fixed sash with clear glass area, flanked by Holford Casements and providing unobstructed vision and abundance of light. Fixed sash prices are low and will gladly be given upon request.

· BRANCH · SALES · OFFICES ·

NEW YORK, N. Y.	. . . . .	101 Park Avenue
BOSTON, MASS.	. . . . .	216 Tremont Street
CHICAGO, ILL.	. . . . .	520 N. Michigan Avenue
CLEVELAND, OHIO	. . . . .	1720 Euclid Avenue
DALLAS, TEXAS	. . . . .	Construction Bldg.
DAVENPORT, IOWA	. . . . .	P. O. Box 635

REPRESENTATIVES IN ALL OTHER CITIES

HOPE'S Standard Cotswold Casements in Intermediate Sections are described in our catalog, Publication No. 56. We shall be glad to send you a copy on request.

NOTE: ALL DETAILS AND INFORMATION CONTAINED IN THIS CATALOGUE SUBJECT TO CHANGE WITHOUT NOTICE

· S P E C I F I C A T I O N ·

HOPE'S HOLFORD CASEMENTS *in* STANDARD SIZES



ALL windows shall be Hope's Holford Casement Windows (with flat screens) in the standard types and sizes as shown by reference numbers on the drawings. Casements shall consist of inner and outer frames of solid rolled steel sections having a minimum depth of 1" from front to back and a combined weight of not less than 2.1 pounds per lineal foot (exclusive of angle fins or hardware). All corners shall be solid welded, neatly cleaned off and ground to a smooth finish. Sections shall provide a continuous, two-point, flat weathering contact between the inner and outer frames throughout the perimeter of the casement without the aid of loose or applied linings. All side hung casements shall open out and shall be hung on cadmium plated mild steel cleaning hinges pintle type welded solid to the casement and frame sections, complete with solid bronze 2" x 3/8" pintles and washers. Muntins shall consist of rolled steel tee sections 3/4" on face. All steel work shall be painted two coats of special rust resisting gray primer each coat separately baked on.

Where flat screens are required, all casements shall be fitted with die cast bronze plated fastener No. 38-5 and rotary operator No. 20-70 (see page 8 for description) so designed and fitted as to permit the proper operation of the casements without any slots or holes through the screen. (*When side hinged or roll screens are to be used, omit the foregoing and substitute the following:* All side hinged casements shall be fitted with Hope's bronze plated die cast fasteners and hung on Hope's projecting friction hinges complete with special Oilite bushings and hexagonal adjusting nuts. When required, double bar adjusters as illustrated on page 9 of this catalog can be supplied at a small extra.)

Screens shall be of standard sizes as supplied by Hope's Windows, Inc., and shall be carefully packed and shipped separately. Screen frames shall be made from copper bearing open hearth steel, "U" shaped, strongly welded and reinforced at each corner, galvanized after all cutting and abrasive operations have been completed and with prime coat of gray paint baked on. Screen frames shall be easily re-wireable and shall be filled with standard weight Old English gauge 16 mesh Anaconda bronze wire cloth, held in place by 3/16" round solid steel splines galvanized, bent at the corners and continuous to insure further reinforcement of frame.

The installing of the windows shall form part of this contractor's work. (*If this is not possible and local labor is employed, the manufacturer's instructions for installing must be very carefully followed. A sufficient quantity of Hope's mastic cement, namely, 1 pound per 7 ft. of perimeter, is provided free of charge for proper installation of all windows.*) The joint between window and surrounding construction shall be properly bedded and neatly pointed with Hope's mastic cement. Glass and glazing by glazing contractor, finish painting by painting contractor. (Finish painting should be deferred until three weeks after glazing to permit putty to set).

WOOD SURROUNDS

We stock Wood Surrounds of California clear heart Redwood, kiln dried, in standard lengths to fit our Holford Casements (refer to page 5 for full sized details). Redwood Surrounds can be supplied individually packed in cartons, mitered and cut to exact lengths complete with parkerized screws ready for the carpenter to attach to the casement, or casements can be shipped with surrounds already attached. Hope's Redwood Surrounds are especially suitable for brick veneer construction. They provide a deep weathering rebate which also serves as a key for mortar; they act as a guide or "liner" for the mason; they provide a groove for the location and a key for the plaster; they save time and material on the job. Surrounds made of Redwood last indefinitely, without fear of decay or deterioration.

· HOPE'S · WINDOWS · INC · :: · JAMESTOWN · N · Y ·

PUBLICATION No. 64

AUGUST 1938

Printed in U. S. A.

· S P E C I F I C A T I O N ·

HOPE'S HOLFORD CASEMENTS *in* STANDARD SIZES



LL windows shall be Hope's Holford Casement Windows (with flat screens) in the standard

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